Update on the Dengue situation in the Western Pacific Region

Northern Hemisphere

Cambodia (no update)

As of week 52, 2020, a total of 11,977 dengue cases with 16 deaths have been reported in Cambodia (case fatality rate (CFR) 0.1%). The cumulative number of cases reported this year (weeks 1-52) is only 17.0% of the 68,657 cases reported in the same period in 2019. The number of cases reported weekly remains within the normal range of cases reported from 2014 to 2018 (Figure 1).

China (no update)

In December 2020, nine dengue cases and no additional deaths were reported in China. The number of cases reported in 2020 is lower in comparison to the same period in 2019 and other recent years but follows an expected seasonal trend (Figure 2).
Lao People’s Democratic Republic
During week 4, 2021, 26 dengue cases and no deaths were reported in Lao People’s Democratic Republic (Figure 3). The number of cases reported in week 4 of 2021 is 3.3 times lower compared to the same period in 2020 when 214 cases were reported. The trend is within seasonally expected levels.

Malaysia
During week 4, 2021, a total of 586 dengue cases have been reported, bringing the cumulative number of reported cases to 2,722 as of 23 January 2021. This is a decrease compared to 12,592 cases reported in the same period last year. As of week 4, a total of two deaths due to dengue have been reported in 2021, compared to 14 deaths during the same period in 2020.
Philippines
In morbidity week 3, 17 January to 23 January 2021, 252 dengue cases were reported in the Philippines. This is 95% lower compared to the same period in 2020 (n=5,467). As of 23 January 2021, 3,353 dengue cases have been reported in 2021, including 12 deaths (CFR 0.4%). The number of cases in this period is 82% lower compared to the 18,972 cases reported in the same period in 2020.

![Graph showing dengue cases by morbidity week in 2021 and 2020 for the Philippines](image)

Figure 5: Dengue cases reported weekly in 2021, Department of Health, The Philippines

Singapore
In week 4, 2021, 137 dengue cases were reported in Singapore (Figure 6). A total of 651 cases have been reported as of 30 January 2021, which is lower than the same period in recent years, except 2017 and 2018. Weekly trends are within expected seasonal levels.

![Graph showing dengue cases reported weekly from 2015 to 2020 in Singapore](image)

Figure 6: Dengue cases reported weekly in 2015-2020, Communicable Diseases Division, Ministry of Health, Singapore
Viet Nam

During week 4 (25 – 31 January), there were 1,547 cases and no deaths reported from 39 out of 63 provinces. The number of cases decreased by 18.1% compared to the previous week (1,890 cases, no deaths). As of 31 January 2021, there was a total of 9,654 cases of dengue without any deaths reported in Viet Nam. Compared to the same period in 2020 (12,007 cases including two deaths), the cumulative number of cases decreased by 19.6%, and one fewer death was reported.

![Number of Hospital Admissions of Dengue Cases and Deaths by Week in 2021 Compared to 2020](image)

Figure 7: Dengue cases and deaths reported weekly in 2020-2021, General Department of Preventive Medicine, Ministry of Health, Viet Nam

Southern Hemisphere

Australia

In 2020, there were a total of 222 dengue cases reported in Australia with no new cases reported in December 2020. As of 10 February 2021, no dengue cases have been reported in Australia in 2021 (Figure 8).

![Laboratory-confirmed dengue cases reported monthly in 2015-2021](image)

Figure 8: Laboratory-confirmed dengue cases reported monthly in 2015-2021, Department of Health, Australia
Pacific Islands Countries

Cook Islands
Between 1 January and 2 February 2021, a total of 19 dengue cases were reported in the Cook Islands. Among these, there are 11 probable cases and eight confirmed cases which is above the outbreak threshold of five confirmed cases (Figure 9).

![Figure 9: Dengue cases reported daily in 2021, Ministry of Health, Cook Islands](image)

French Polynesia
During weeks 1 and 2 of 2021, there were two probable dengue fever cases who were IgM-positive out of 55 that were tested. As of 17 January 2021, a total of 3,330 cases of DENV-2 have been reported since the start of the epidemic in April 2019 until week 2 of 2021 (Figure 10).

![Figure 10: Samples and confirmed cases of dengue reported weekly in 2020-2021, Centre for Occupational Health and Public Safety, French Polynesia](image)
New Caledonia

During weeks 1 to 6 of 2021, a total of 18 dengue cases were reported in New Caledonia, including 13 confirmed cases and five probable cases (Figure 11). This is an increase compared to the same period in 2020 when a total of 10 cases were reported. DENV-2 was detected in seven of the confirmed cases as of 10 February 2021.

![Number of Dengue Cases in New Caledonia (1 January 2020 to 10 February 2021)](image)

**Figure 11:** Dengue cases reported by week in 2021, Network of sentinel physicians, New Caledonia

Wallis and Futuna

During weeks 4 to 5 of 2021, two confirmed cases of dengue were reported in Wallis and Futuna (Figure 12). This brings the total number of confirmed cases (NS1-positive) to nine out of 30 that have been tested in 2021 (30% positivity), all of which are local cases reported in Futuna.

![Dengue cases reported by week in 2021, Health Agency, Wallis and Futuna](image)

**Figure 12:** Dengue cases reported by week in 2021, Health Agency, Wallis and Futuna
Pacific Island Countries and Areas (PICs) – Dengue-like illness (DLI) Surveillance

In the Pacific Island Countries and Areas, in week 4 of 2021, there was an increase in DLI cases observed in the Cook Islands, Fiji, and Wallis and Futuna (Figure 13). There is a decline in the number of cases reported in French Polynesia after an elevated number was reported starting in week 49 of 2020. Other Pacific Island Countries and Areas with available surveillance data are reporting no or very low numbers of DLI cases.

* Caution should be taken in interpreting these data as there may be changes in the number of sentinel sites reporting to the Pacific Syndromic Surveillance System.